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| Form PTO 1449 (Modified) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY DOCKET NO. 295899US0PCT | | SERIAL NO. 10/591,464 | |
| LIST OF REFERENCES CITED BY APPLICANT | | | | | | | |
| APPLICANT Toshiaki KUDO, et al. | | | | GROUP | | | |
| FILING DATE September 1, 2006 | | | | | | | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPROPRIATE |
| | AA | 5,837,489 | 11/17/1998 | Kathryn J. ELLIOTT, et al. | | | |
| | AB | 5,939,306 | 8/17/1999 | Lisa A. ALEX, et al. | | | |
| | AC | 2004/0013759 A1 | 1/22/2004 | Richard B. JENSEN, et al. | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | | DOCUMENT NUMBER | DATE | COUNTRY | TRANSLATION YES NO | | |
| | AD | WO 98/44148 | 10/8/1998 | WIPO (corresponding AU 6770398) | | | |
| | AE | AU 6770398 | | Australia (reference is not available, submitting WO 98/44148 only) | | | |
| | AF | 8-507441 | 8/13/1996 | Japan (with English Abstract and corresponding WO 94/20617; corresponding US 5,837,489 and EP 688361 A) | | | X |
| | AG | WO 94/20617 | 9/15/1994 | WIPO (corresponding EP 688361 A) | | | |
| | AH | EP 688361 A | | Europe (reference is not available, submitting WO 94/20617 only) | | | |
| | AI | EP 1 415 996 A2 | 5/6/2004 | Europe (corresponding US 2004/0013759 A1) | | | |
| | AJ | 5-294995 | 11/9/1993 | Japan (with English Abstract) | | | X |
| | AK | 9-124411 | 5/13/1997 | Japan (with English Abstract) | | | X |
| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | |
| | AL | Noriyuki OCHIAI, et al., "Characterization of mutations in the two-component histidine kinase gene that confer fluidoxonil resistance and osmotic sensitivity in the os-1 mutants of <i>Neurospora crassa</i> ", Society of Chemical Industry, Pest. Manag. Sci., vol. 57, no. 5, 2001, pages 437-442 | | | | | |
| | AM | Michiyo OSHIMA, et al., "A Point Mutation in the Two-Component Histidine Kinase ScdS-1 Gene Confers Dicarboximide Resistance in Field Isolates of <i>Botrytis cinerea</i> ", The American Phytopathological Society, vol. 92, no. 1, 2002, pages 75-80 | | | | | |
| | AN | Noriyuki OCHIAI, et al., "Effects of Iprodione and Fluidoxonil on Glycerol Synthesis and Hyphal Development in <i>Candida albicans</i> ", Biosci. Biotechnol. Biochem., vol. 66, no. 10, 2002, pages 2209-2215 | | | | | |
| | AO | A. YOSHIMI, et al., "Cloning and characterization of the histidine kinase gene <i>Dic1</i> from <i>Cochliobolus heterostrophus</i> that confers dicarboximide resistance and osmotic adaptation", Mol. Gen. Genomics, vol. 271, no. 2, January 2004, pages 228-236 | | | | | |
| | AP | Takayuki MOTOYAMA, et al., "Analysis of a signal transduction system mediated by histidine kinase in <i>Piricularia oryzae</i> ", Institute of Physical and Chemical Research, 3-SDP16, March 5, 2002, page 187. (with Partial English Translation) | | | | | |
| | AQ | Makoto FUJIMURA, et al., "Histidine Kinase Signal Transduction and Drug Resistance in Filamentous Fungi", Life Sciences Department, Toyo University, vol. 28, no. 4, 2003, pages 484-488 (with English Translation) | | | | | |
| | AR | Takayuki MOTOYAMA, et al., "Creation of a <i>Saccharomyces cerevisiae</i> strain sensitive to filamentous fungus-specific fungicides through the expression of a filamentous fungus-derived histidine kinase", Institute of Physical and Chemical Research, Toyo University, 2A06a08, March 5, 2004, page 21. (with Partial English Translation) | | | | | |
| | AS | "Phytopathological Encyclopedia", Yokendo, March 30, 1995, 4 pages (with Partial English Translation) | | | | | |
| | AT | Christian PILLONEL, et al., "Effect of Phenylpyroles on Glycerol Accumulation and Protein Kinase Activity of <i>Neurospora crassa</i> ", Pestic. Sci., 49, 1997, pages 229-236 | | | | | |
| | AU | Makoto FUJIMURA, et al., "Sensitivity to Phenylpyrole Fungicides and Abnormal Glycerol Accumulation in Os and Cut Mutant Strains of <i>Neurospora crassa</i> ", J. Pestic. Sci., 25, 2000, pages 31-36 | | | | | |
| | AV | Lisa A. ALEX, et al., "Hyphal development in <i>Neurospora crassa</i> : Involvement of a two-component histidine kinase", Proc. Natl. Acad. Sci. USA, Microbiology, vol. 93, April 1996, pages 3416-3421 | | | | | |
| | AW | Irene M. Ota, et al., "A Yeast Protein Similar to Bacterial Two-Component Regulators", Science, vol. 262, October 22, 1993, pages 566-569 | | | | | |
| | AX | Takeshi URAO, et al., "A Transmembrane Hybrid-Type Histidine Kinase in Arabidopsis Functions as an Osmosensor", The Plant Cell, www.plantcell.org, American Society of Plant Physiologists, vol. 11, September 1999, pages 1743-1754 | | | | | |
| | AY | Gregory B. POTT, et al., "The Isolation of <i>FOS-1</i> , a Gene Encoding a Putative Two-Component Histidine Kinase from <i>Aspergillus fumigatus</i> ", Fungal Genetics and Biology, 31, 2000, pages 55-67 | | | | | |
| | AZ | M. Virginia, et al., "A novel two-component protein containing histidine kinase and response regulator domains required for sporulation in <i>Aspergillus nidulans</i> ", Curr. Genet., 37, 2000, pages 364-372 | | | | | |
| | | | | | | Additional References sheet(s) attached | |
| Examiner /Sheridan Swope/ | | | | | | Date Considered 09/23/2008 | |

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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| | BA | | | | | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | | DOCUMENT NUMBER | DATE | COUNTRY | TRANSLATION YES NO | | |
| | BO | 2005-87182 | 4/7/2005 | Japan (with English Abstract) | | | X |
| | BP | | | | | | |
| | BQ | | | | | | |
| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | |
| | BR | Ann H. WEST, et al., "Histidine kinases and response regulator proteins in two-component signaling systems", TRENDS in Biochemical Sciences, vol. 26, no. 6, June 2001, pages 369-376 | | | | | |
| | BS | Lisa A. ALEX, et al., "COS1, a two-component histidine kinase that is involved in hyphal development in the opportunistic pathogen <i>Candida albicans</i> ", Proc. Natl. Acad. Sci. USA, Microbiology, vol. 95, June 1998, pages 7069-7073 | | | | | |
| | BT | Shigehisa NAGAHASHI, et al., "Isolation of <i>CaSLN1</i> and <i>CaNIK1</i> , the genes for osmosensing histidine kinase homologues, from the pathogenic fungus <i>Candida albicans</i> ", Microbiology, 144, 1998, pages 425-432 | | | | | |
| | BU | Tatsuya MAEDA, et al., "Activation of Yeast PBS2 MAPKK by MAPKKs or by Binding of an SH3-Containing Osmosensor", Science, vol. 269, July 28, 1995, pages 554-558 | | | | | |
| | BV | Makoto FUJIMURA, et al., "Putative Homologs of SSK22 MAPKK Kinase and PBS2 MAPK Kinase of <i>Saccharomyces cerevisiae</i> Encoded by os-4 and os-5 Genes for Osmotic Sensitivity and Fungicide Resistance in <i>Neurospora crassa</i> ", Biosci. Biotechnol. Biochem., 67, 1, 2003, pages 186-191 | | | | | |
| | BW | Ian B. DRY, et al., "Dicarboximide resistance in field isolates of <i>Alternaria alternata</i> is mediated by a mutation in a two-component histidine kinase gene", Fungal Genetics and Biology, 41, 2004, pages 102-108 | | | | | |
| | BX | Yan ZHANG, et al., "Osmoregulation and Fungicide Resistance: the <i>Neurospora crassa</i> os-2 Gene Encodes a HOG1 Mitogen-Activated Protein Kinase Homologue", APPLIED AND ENVIRONMENTAL MICROBIOLOGY, vol. 68, no. 2, February 2002, pages 532-538 | | | | | |
| | BY | Katherine P. DIXON, et al., "Independent Signaling Pathways Regulate Cellular Turgor during Hyperosmotic Stress and Appressorium-Mediated Plant Infection by <i>Magnaporthe grisea</i> ", The Plant Cell, www.plantcell.org, American Society of Plant Physiologists, vol. 11, October 1999, pages 2045-2058 | | | | | |
| | BZ | Wei CUI, et al., "An osmosensing histidine kinase mediates dicarboximide fungicide resistance in <i>Bofryotinia fuckeliana</i> (<i>Bofrytis cinerea</i>)", Fungal Genetics and Biology, 36, 2002, pages 187-198 | | | | <input type="checkbox"/> Additional References sheet(s) attached | |
| Examiner | | /Shendan Swopce/ | | | | Date Considered 09/23/2008 | |
| *Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | | |